

JA

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PCT

RAW SEQUENCE LISTING

DATE: 03/27/2003

PATENT APPLICATION: US/09/889,756A

TIME: 13:19:45

Input Set : N:\Crf4\03272003\I889756.raw

Output Set: N:\CRF4\03272003\I889756A.raw

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1 <110> APPLICANT: Joelle Thonnard
2 <120> TITLE OF INVENTION: BASB055
3 <130> FILE REFERENCE: BM45353
4 <140> CURRENT APPLICATION NUMBER: US/09/889,756A
5 <141> CURRENT FILING DATE: 2002-04-03
6 <150> PRIOR APPLICATION NUMBER: 9901462.3
7 <151> PRIOR FILING DATE: 1999-01-22
8 <150> PRIOR APPLICATION NUMBER: 9902069.5
9 <151> PRIOR FILING DATE: 1999-01-29
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSEQ for Windows Version 4.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1239
15 <212> TYPE: DNA
16 <213> ORGANISM: Neisseria meningitidis
17 <400> SEQUENCE: 1
18      atggcttttt atgcttttaa ggcgatgcgt gcgccgcgct tggctgccgc cgttgccattg      60
19      gtactgtcgt cttgcggtaa aggcggagac gcgccgcagg gcgccgcagg tgctggtcgg      120
20      gaagcccttg cgcctcgtgt cgggtgcgta accgtccatc cgcaaaccgt cgcattgacc      180
21      gtcgagttgc cggggcggtt ggaatcgctg cgtaccgcgc atgtccgcgc ccaagtcggc      240
22      ggcacatcc aaaaacgcct gttccaagaa ggcagttatg tccgtgccgg acagccgctg      300
23      tatcagatcg acagttccac ttatgaagca aatctggaaa gcgcgcgcgc gcaactggca      360
24      acggctcagg caacgcttgc caaagcggat gcggtatttg cgcgatacaa gcctttggtt      420
25      gccgcggaag ccgtcagccg gcaggaatac gatgtctcgg taacggcgaa acgttctgcc      480
26      gaggcagggt tcaaagcagc acaggcggca atcaaattcg ccggcattaa tctgaaccgt      540
27      tcgcgcatta ccgcgcgat ttccggcttt atcggtcagt ccaaagtttc cgaaggtacg      600
28      ctgttgaaat cgggcgatac gaccgtgctg gcaaccatcc gccaaaccaa tccgatgtat      660
29      gtgaacgtta cccagtctgc atccgaagtg atgaaattgc gccgtcagat agccgaaggc      720
30      aaactgctgg cggcggatgg tgtgattgcg gtcggcatca aatttgacga cggcacagtt      780
31      taccctgaaa aaggccgcct gctgtttgcc gatccggtcg tcaacgaatc gaccggtcag      840
32      attaccctgc gcgcgcgct accgaacgat cagaatatcc tgatgcccg tctgtatgtg      900
33      cgcgtgctga tggaccaagt ggcggtggat aacgcatttg ttgtgccgca gcaggcggta      960
34      acgcgcgggt cgaaagatac cgtgatgatt gtgaatgcc aaggcggat ggaacccgc      1020
35      gaggtaacgg ttgcgcaaca gcagggtacg aattggattg ttacgtcggg tctgaaggac      1080
36      ggggacaagg tggttgtgga aggcacatcgt atcgcgggta taacgggtgc gaaaaaggta      1140
37      acgcccacaa aatgggcgtc gtctgaaaac caagccgcgc gcctcaatc cggcggttcag      1200
38      acggcatctg aagccaaaac tgcttctgaa gcggaataa      1239
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 412
42 <212> TYPE: PRT
43 <213> ORGANISM: Neisseria meningitidis
44 <400> SEQUENCE: 2
45      Met Ala Phe Tyr Ala Phe Lys Ala Met Arg Ala Ala Ala Leu Ala Ala

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46	1	5	10	15
47	Ala Val Ala Leu Val Leu Ser Ser Cys Gly Lys Gly Gly Asp Ala Ala			
48		20	25	30
49	Gln Gly Gly Gln Pro Ala Gly Arg Glu Ala Pro Ala Pro Val Val Gly			
50		35	40	45
51	Val Val Thr Val His Pro Gln Thr Val Ala Leu Thr Val Glu Leu Pro			
52		50	55	60
53	Gly Arg Leu Glu Ser Leu Arg Thr Ala Asp Val Arg Ala Gln Val Gly			
54	65	70	75	80
55	Gly Ile Ile Gln Lys Arg Leu Phe Gln Glu Gly Ser Tyr Val Arg Ala			
56		85	90	95
57	Gly Gln Pro Leu Tyr Gln Ile Asp Ser Ser Thr Tyr Glu Ala Asn Leu			
58		100	105	110
59	Glu Ser Ala Arg Ala Gln Leu Ala Thr Ala Gln Ala Thr Leu Ala Lys			
60		115	120	125
61	Ala Asp Ala Asp Leu Ala Arg Tyr Lys Pro Leu Val Ala Ala Glu Ala			
62		130	135	140
63	Val Ser Arg Gln Glu Tyr Asp Ala Ala Val Thr Ala Lys Arg Ser Ala			
64	145	150	155	160
65	Glu Ala Gly Val Lys Ala Ala Gln Ala Ala Ile Lys Ser Ala Gly Ile			
66		165	170	175
67	Asn Leu Asn Arg Ser Arg Ile Thr Ala Pro Ile Ser Gly Phe Ile Gly			
68		180	185	190
69	Gln Ser Lys Val Ser Glu Gly Thr Leu Leu Asn Ala Gly Asp Thr Thr			
70		195	200	205
71	Val Leu Ala Thr Ile Arg Gln Thr Asn Pro Met Tyr Val Asn Val Thr			
72		210	215	220
73	Gln Ser Ala Ser Glu Val Met Lys Leu Arg Arg Gln Ile Ala Glu Gly			
74	225	230	235	240
75	Lys Leu Leu Ala Ala Asp Gly Val Ile Ala Val Gly Ile Lys Phe Asp			
76		245	250	255
77	Asp Gly Thr Val Tyr Pro Glu Lys Gly Arg Leu Leu Phe Ala Asp Pro			
78		260	265	270
79	Val Val Asn Glu Ser Thr Gly Gln Ile Thr Leu Arg Ala Ala Val Pro			
80		275	280	285
81	Asn Asp Gln Asn Ile Leu Met Pro Gly Leu Tyr Val Arg Val Leu Met			
82		290	295	300
83	Asp Gln Val Ala Val Asp Asn Ala Phe Val Val Pro Gln Gln Ala Val			
84	305	310	315	320
85	Thr Arg Gly Ala Lys Asp Thr Val Met Ile Val Asn Ala Gln Gly Gly			
86		325	330	335
87	Met Glu Pro Arg Glu Val Thr Val Ala Gln Gln Gln Gly Thr Asn Trp			
88		340	345	350
89	Ile Val Thr Ser Gly Leu Lys Asp Gly Asp Lys Val Val Val Glu Gly			
90		355	360	365
91	Ile Ser Ile Ala Gly Ile Thr Gly Ala Lys Lys Val Thr Pro Lys Glu			
92		370	375	380
93	Trp Ala Ser Ser Glu Asn Gln Ala Ala Ala Pro Gln Ser Gly Val Gln			
94	385	390	395	400

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95 Thr Ala Ser Glu Ala Lys Thr Ala Ser Glu Ala Glu

96 405 410

98 <210> SEQ ID NO: 3

99 <211> LENGTH: 41

100 <212> TYPE: DNA

101 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: primer

104 <400> SEQUENCE: 3

105 aggcagaggc atatggcttt ttatgctttt aaggcgatgc g

41

107 <210> SEQ ID NO: 4

108 <211> LENGTH: 42

109 <212> TYPE: DNA

110 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: primer

113 <400> SEQUENCE: 4

114 aggcagaggc tcgagttccg cttcagaagc agttttggct tc

42

VERIFICATION SUMMARY

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